

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	70	"5852630"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/28 09:30
L2	0	09-205390	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/28 09:53
L3	2	"09205390"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/28 09:55
L4	0	"409205390"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/28 09:55
S2	58	((wireless or mobile) with (device or unit or terminal or apparatus or phone) same (antenna\$2 and estimat\$3 and display\$3 and correlat\$4 and demodulat\$3 and signal adj process\$3 and control))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 06:59
S3	34	((wireless or mobile) with (device or unit or terminal or apparatus or phone) same (antenna\$2 and estimat\$3 and display\$3 and correlat\$4 and demodulat\$3 and signal adj process\$3 and control)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 07:01
S4	15	((wireless or mobile) with (device or unit or terminal or apparatus or phone) same (antenna\$2 and estimat\$3 and display\$3 and correlat\$4 and demodulat\$3 and signal adj process\$3 and control) and diversity) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 07:07

## EAST Search History

S5	15	((wireless or mobile) with (device or unit or terminal or apparatus or phone)) same (antenna\$2 and estimat\$3 and display\$3 and correlat\$4 and demodulat\$3 and signal adj process\$3 and control) and diversity) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 06:53
S9	368	((wireless or mobile) with (device or unit or terminal or apparatus or phone)) same (multiple with antenna\$2 with mov\$3 or adjust\$4 and diversity)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 08:05
S23	26	((375/267.ccls.) or (375/150.ccls.) or (375/152.ccls.) or (375/343.ccls.) or (455/132.ccls.) or (455/504.ccls.)) and (((adaptive array and multiple with antenna\$2 with mov\$3 or adjust\$4) and diversity and (display\$3 and correlat\$4 and demodulat\$3 and signal adj process\$3 and control)))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 11:18
S24	192	((375/267.ccls.) or (375/150.ccls.) or (375/152.ccls.) or (375/343.ccls.) or (455/132.ccls.) or (455/504.ccls.)) and (((adaptive array and multiple with antenna\$2 with mov\$3 or adjust\$4) and diversity and (correlat\$4 and demodulat\$3 and signal adj process\$3 and control)))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 12:24
S34	248	((375/267.ccls.) or (375/150.ccls.) or (375/152.ccls.) or (375/343.ccls.) or (375/347.ccls.) or (455/132.ccls.) or (455/504.ccls.)) and (((adaptive array and multiple adj antenna\$2 with mov\$3 or adjust\$4) and diversity and (correlat\$4 and demodulat\$3 and signal adj process\$3 and control)))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 12:36
S35	3944	((375/267.ccls.) or (375/150.ccls.) or (375/152.ccls.) or (375/343.ccls.) or (375/347.ccls.) or (455/132.ccls.) or (455/504.ccls.)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 12:38

## EAST Search History

S38	401	(S35 and antenna\$2 with (plurality and two and diversity)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 12:48
S45	812	(adaptive adj array and (plurality with antenna\$2)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 12:52
S46	23	(S45 and (estimat\$4 and display and correlat\$4 and signal adj process\$4)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 14:38
S47	20	(S46 and (communicat\$4 with (device or unit or terminal or apparatus))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 14:42
S48	20	(S47 and diversity) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 14:43
S57	63721	((extracting or synthesizing) same (signal)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 07:32
S58	1041	(S57 and (estimat\$4 and display and correlat\$4 and signal adj process\$4)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 15:24

## EAST Search History

S61	23	(S57 and (estimat\$4 and display and correlat\$4 and signal adj process\$4 and antenna\$2 with (ajust\$4 or mov\$4))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 15:11
S63	70	(S57 and (estimat\$4 and display and correlat\$4 and signal adj process\$4 and (mov\$4 or adjust\$3 adj antenna\$2) and diversity)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/28 15:35
S68	86	(communication adj device with two adj antenna\$2) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 11:33
S73	63721	((extracting or synthesizing) same signal) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 07:32
S89	476	((375/267.ccls.) or (375/150.ccls.) or (375/152.ccls.) or (375/343.ccls.) or (375/347.ccls.) or (455/132.ccls.) or (455/504.ccls.)) and (extracting or synthesizing) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 08:56
S90	17	(S89 and (communication with (device or unit or apparatus or terminal) same (plurality near antenna\$2))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 08:49
S91	105	((375/267.ccls.) or (375/150.ccls.) or (375/152.ccls.) or (375/343.ccls.) or (375/347.ccls.) or (455/132.ccls.) or (455/504.ccls.)) and (communication with (device or unit or apparatus or terminal) same (plurality near antenna\$2))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 09:19

## EAST Search History

S95	80	((375/267.ccls.) or (375/150.ccls.) or (375/152.ccls.) or (375/343.ccls.) or (375/347.ccls.) or (455/132.ccls.) or (455/504.ccls.)) and (communication with (device or unit or apparatus or terminal) WITH (plurality near antenna\$2))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 09:19
S97	19	(communication adj device same (space with diversity with antenna\$2)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 11:34
S98	179	((communication with (device or unit or apparatus or terminal) same (space with diversity with antenna\$2))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 12:23
S99	3	(S98 and (estimat\$4 and display and correlat\$4)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 11:54
S10 5	51	(S98 and (estimat\$4 and correlat\$4)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 12:04
S10 6	3	(S98 and (estimat\$4 and correlat\$4 and display)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 12:30

## EAST Search History

S10 7	140	("4672629"   "4761795"   "4807256"   "4866395"   "4888788"   "4901307"   "5003553"   "5016257"   "5101416"   "5101417"   "5101501"   "5103459"   "5109390"   "5111479"   "5131006"   "5166951"   "5228054"   "5228056"   "5237586"   "5267261"   "5309474"   "5311176"   "5329546"   "5383220"   "5414728"   "5432521"   "5442627"   "5490165"   "5577022"   "5602833").PN. OR ("5691974").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/01 12:10
S10 8	9	("20030026349"   "20030035490"   "20040147227"   "5642353"   "5828658"   "6351499"   "6650881"   "6754286"   "6839379").PN. OR ("7167526"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/01 12:13
S10 9	8	("5691727"   "5999826"   "6064338"   "6081566"   "6154661"   "6185440"   "6314305"   "6411824").PN. OR ("7003324").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/01 12:22
S11 0	239	((communication with (device or unit or apparatus or terminal) same (diversity with (space or polarization) with antenna\$2))) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 12:24
S11 1	17	("4001692"   "4369516"   "5461646"   "5499272"   "6091761"   "6377632").PN. OR ("6804307").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/01 12:25
S11 2	3	(S110 and (estimat\$4 and correlat\$4 and display)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 12:30

## EAST Search History

S11 3	60	(S110 and (estimat\$4 and correlat\$4)) @ad<"20030220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/01 12:30
S14 1	3	("9919742").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/01 15:07
S14 2	30	("3699451"   "4584713"   "4633519"   "4969211"   "5109390"   "5203023"   "5241701"   "5329547"   "5361404"   "5369801"   "5414734"   "5430769"   "5491717"   "5642377"   "5671221").PN. OR ("6018651"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/01 15:23
S14 3	563	("3351859"   "4112257"   "4222115"   "4291410"   "4630283"   "4669091"   "4672658"   "4694467"   "4710944"   "4736460"   "4752969"   "4765753"   "4797950").PN. OR ("5109390"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/01 15:30
S14 4	20	("4633519"   "4803447"   "4914714"   "4958382"   "5493311"   "5659886"   "5734355").PN. OR ("5940040"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/01 15:41
S14 5	3	"20030142756"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/04 09:30
S14 6	2	"09205390"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/05 06:49

## EAST Search History

S14 7	156	antenna same (correlat\$4 and display\$3 and adjust\$4 and manual\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:08
S14 8	158	antenna\$2 same (correlat\$4 and display\$3 and adjust\$4 and manual\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:08
S14 9	71	antenna\$2 same (correlat\$4 and display\$3 and adjust\$4 and manual\$4 and user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:08
S15 0	6	antenna\$2 same (correlat\$4 and display\$3 and adjust\$4 and manual\$4 and user and estimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:17
S15 1	86	Kitakado near Jun	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:10
S15 2	2	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (antenna\$2 same (correlat\$4 and display\$3 and adjust\$4 and manual\$4 and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:19
S15 3	1	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (antenna\$2 same ((adjust near3 (correlat\$4)) and display\$3 and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:19

## EAST Search History

S15 4	1	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (antenna\$2 same ((adjust near5 (correlat\$4)) and display\$3 and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:20
S15 5	1	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (antenna\$2 same ((adjust with (correlat\$4)) and display\$3 and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:20
S15 6	14	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (antenna\$2 same (((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4) with (correlat\$4)) and display\$3 and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:25
S15 7	1756	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4) same (correlat\$4)) and (display\$3 and estimat\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:26
S15 8	4	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4) near3 (correlat\$4)) same (display\$3 and estimat\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 14:32
S15 9	7	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4) with (correlat\$4)) same (display\$3 and estimat\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:10
S16 0	15	(("375"/\$.ccls.) or ("455"/\$.ccls.)) and (((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) near4(antenn\$3)) and (correlat\$4) same (display\$3 and estimat\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:22

## EAST Search History

S16 1	76	((((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) near4(antenn\$3)) and ((correlat\$4) same (display\$3 and estimat\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:16
S16 2	3	((((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) near4(antenn\$3)) same ((correlat\$4) same (display\$3 and estimat\$4))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:20
S16 3	2	"20040165685"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:19
S16 4	3	((((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) near4 (antenn\$3)) same ((correlat\$4) same (display\$3 and estimat\$4))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:21
S16 5	1	("375"/\$.ccls.) or ("455"/\$.ccls.) and (((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) near4(antenn\$3)) same ((correlat\$4) (display\$3) and (estimat\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:26
S16 6	3	((((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) near4 (antenn\$3)) same ((correlat\$4) (display\$3) and (estimat\$4))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 10:48
S16 7	99	("375"/\$.ccls.) or ("455"/\$.ccls.) and (((adjust\$3 or alter\$3 or correct\$3 or chang\$3 or tun\$3 or tilt\$3) with ((correlat\$4) (display\$3) and (estimat\$3))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:38

## EAST Search History

S16 8	368	("375"/\$.ccls.) or ("455"/\$.ccls.) and ((adjust\$3 or alter\$3 or correct\$3 or chang\$3 or tun\$3 or tilt\$3) SAME ((correlat\$4) (display\$3) and (estimat\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:39
S16 9	117	("375"/\$.ccls.) or ("455"/\$.ccls.) and ((adjust\$3 or alter\$3 or correct\$3 or chang\$3 or tun\$3 or tilt\$3) SAME ((antenna\$2) and (correlat\$4) (display\$3) and (estimat\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:55
S17 0	25	"6035183"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/10 16:55
S17 1	29	("5289526"   "5471671"   "5561673"   "5689439"   "5697056"   "5802039"   "5870666").PN. OR ("6035183").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/10 16:57
S17 2	643	((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) same (antenn\$3 and correlat\$4 and display\$3 and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 10:50
S17 3	164	((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) same (antenn\$3 and correlat\$4 and display\$3 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:04
S17 4	1	((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) same ((adaptive near antenn\$3) and correlat\$4 and display\$3 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:05

## EAST Search History

S17 5	0	((adaptive near antenn\$3) same ((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) and correlat\$4 and display\$3 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:06
S17 6	0	((antenn\$3 near array) same ((adjust\$4 or alter\$4 or correct\$4 or chang\$4 or tun\$4 or tilt\$4) and correlat\$4 and display\$3 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:07
S17 7	0	((antenn\$3 near array) same (correlat\$4 and display\$3 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:07
S17 8	0	((antenna near array) same (correlat\$4 and display\$3 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:08
S17 9	18	((antenna) same (correlat\$4 and display\$3 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:09
S18 0	34	((antenna) same (correlat\$4 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:14
S18 1	8	((diversity) same (correlat\$4 and estimat\$4 and manual\$4 and user))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:14

## EAST Search History

S18 2	14	((diversity) same (correlat\$4 and estimat\$4 and manual\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:15
S18 3	95	((diversity) same (correlat\$4 and estimat\$4 and display\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:00
S18 4	2	"7151792"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:21
S18 5	4	("20030092447"   "5812593"   "6026115"   "6901105").PN. OR ("7151792").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 11:22
S18 6	37	((diversity and (antenna near3 array)) and (correlat\$4 same (estimat\$4 and display\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:29
S18 7	63	((diversity and (antenna)) and (correlat\$4 same (estimat\$4 and display\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 11:32
S18 8	87	Kitakado near Jun	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:45
S18 9	1	("20040014443").PN. OR ("6836244").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 11:40

## EAST Search History

S19 0	0	"200400114443"	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 11:41
S19 1	1	"20040014443"	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 11:41
S19 2	3	("6091788"   "6222498"   "6584115").PN. OR ("7145942"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 11:47
S19 3	15	("5905721").PN. OR ("6222498"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 12:23
S19 4	8	("20020032015"   "20040048581"   "20040176136"   "20050085192"   "6061553"   "6590532"   "6714584"   "6931244").PN. OR ("7069054").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 11:53
S19 5	5	("5809422"   "6006110"   "6075991"   "6140961").PN. OR ("6931244").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 11:58
S19 6	942	((diversity) same (correlat\$4 and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:01
S19 7	37	((diversity) same ((correlat\$4 with (user or manual\$4)) and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:09
S19 8	0	((diversity) same ((correlat\$4 with (user and manual\$4 and value\$2 and (alter\$4 or adjust\$4 or tun\$4))) and estimat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:10
S19 9	24	((correlat\$4 with (user and manual\$4 and value\$2 and (alter\$4 or adjust\$4 or tun\$4))) and estimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:11

## EAST Search History

S20 0	19	((correlat\$4 same (user and manual\$4 and value\$2 and antenna\$2 and (alter\$4 or adjust\$4 or tun\$4))) and estimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 13:12
S20 1	11	("375"/\$.ccls.) or ("455"/\$.ccls.) and ((correlat\$4 same (user and manual\$4 and value\$2 and antenna\$2 and (alter\$4 or adjust\$4 or tun\$4))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:14
S20 2	9	(space near diversity) same (correlat\$4 near3 calculat\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 12:26
S20 3	196	(space near diversity) same (correlat\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 12:27
S20 4	5	(space near diversity) same (correlat\$4 and display\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 12:27
S20 5	21	(space near diversity) and (correlat\$4 same (display\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 12:28
S20 6	36	("4112370"   "4506385"   "4710944"   "4742568"   "4853972"   "4914714"   "5023621"   "5097484"   "5144296").PN. OR ("5325403").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 12:33
S20 7	36	Koike near Hirotaka	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:46
S20 8	91	Nakao near Seigo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 12:46
S20 9	6	("20010014588"   "20020072366"   "5952963"   "6233452"   "6370377"   "6748246").PN. OR ("7069041").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 12:57

## EAST Search History

S21 0	15	("5613225"   "5649287"   "5687152"   "5742896"   "5805643"   "5859870").PN. OR ("5952963").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 12:58
S21 1	15	("5203023"   "5918164"   "5952963"   "5991613"   "6018647"   "6023615"   "6032033"   "6330433").PN. OR ("6415141").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 13:02
S21 2	15	("5613225"   "5649287"   "5687152"   "5742896"   "5805643"   "5859870").PN. OR ("5952963").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/23 13:09
S21 4	787	((correlat\$4 near3 (adjust\$4)) and estimat\$4 and display\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 13:15
S21 5	32	(antenna near array) and ((correlat\$4 near3 (adjust\$4)) and estimat\$4 and display\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 13:18
S21 6	25	(antenna near array) and ((correlat\$4 near2 (adjust\$4)) and estimat\$4 and display\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 13:18
S21 7	49	(antenna near array) and ((correlat\$4 near2 (adjust\$4)) and estimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 13:40
S21 8	25	"6035183"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/23 13:56

## EAST Search History

S21 9	3	"7110468"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/28 09:30
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